



Nickel Metal Hydride Battery

NiMH



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Rechargeable Nickel Metal Hydride Battery NiMH

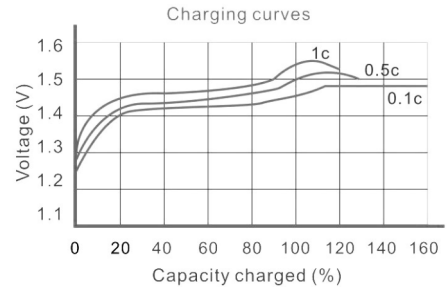


I. General Type Battery Features

- All NiMH batteries meet IEC standard with cycle life > 500 times.
- Certified high quality meets international safety standard such as EN62133 and UL.
- High drain discharging or special discharging requirements are also available.
- Model variety: A, AA, AAA, C, D, F, 9V.

Customization for Applications

- Single cells are assembled as battery pack for high voltage and power output applications.

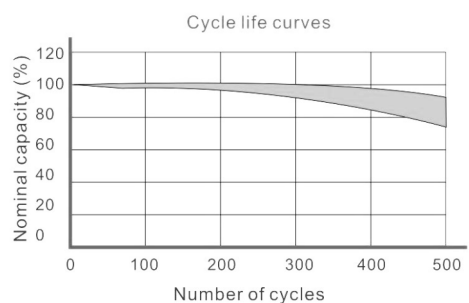
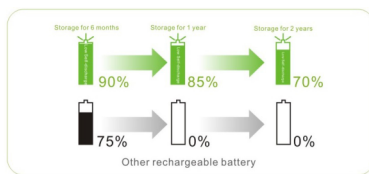
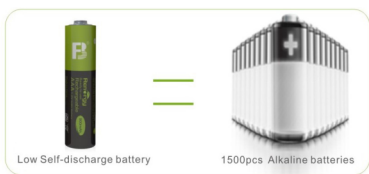
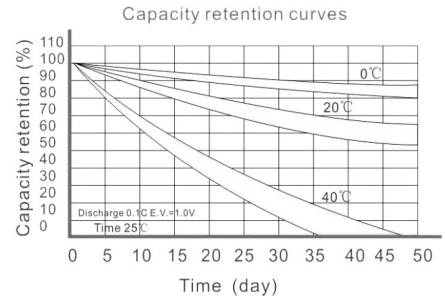
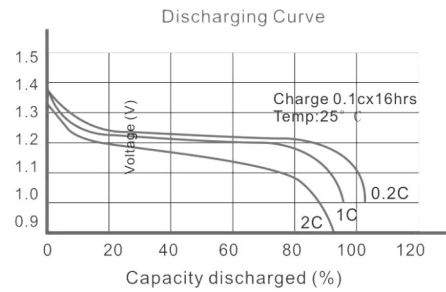


II. Low Self-Discharge (LSD) Battery Features

- All NiMH batteries meet IEC standard with cycle life > 500 times.
- Certified high quality meets international safety standard such as EN62133 and UL.
- High drain discharging or special discharging requirements are also available.
- Smart choice to replace primary batteries.
- Charge Retention Rate > 80% after 1 year normal storage.
- Model variety: AA, AAA, C, D, 9V.

Customization for Applications

- Single cells are assembled as battery pack for high voltage and power output applications.





Model List

Battery Category	Battery Type
Cylindrical	General (A, C,D, others), Low Self-Discharge, High / Low Temperature, High Drain
Prismatic	General, Low Self-Discharge

Category / Type	#Model	Nominal Capacity (mAh)	Height (mm)	Diameter (mm)	Approx. Weight (g)	Internal Resistance (mΩ)
Cylindrical General	28A900	900	27.8±0.20	16.5±0.20	16.5±0.5	40
	28A1100	1100	27.8±0.20	16.5±0.20	18.2±0.5	35
	43AP1500	1500	42.3±0.20	16.5±0.20	25.3±0.5	30
	43AP1800	1800	42.3±0.20	16.5±0.20	27.6±0.5	30
	43AP2000	2000	42.3±0.20	16.5±0.20	29.8±0.5	30
	50AP2100	2100	49.3±0.20	16.5±0.20	32.4±0.5	30
	50AP2700	2700	49.3±0.20	16.5±0.20	38.2±0.5	30
	67AP2500	2500	66.3±0.20	16.5±0.20	39.2±0.5	30
	67AP3000	3000	66.3±0.20	16.5±0.20	43.5±0.5	20
	67A3600	3600	66.3±0.20	16.5±0.20	49.0±0.5	20
	67A3800	3800	66.2±0.20	16.5±0.20	50.3±0.5	20
	49C-P3000	3000	48.5±0.20	25.2±0.05	62.7±0.5	20
	49C-J4000	4000	49.7±0.20	25.2±0.05	74.0±0.5	20
	49C-P4500	4500	48.5±0.20	25.2±0.05	78.7±0.5	18
	49C-J4500	4500	49.7±0.20	25.2±0.05	78.7±0.5	18
	49C-P5000	5000	48.5±0.20	25.2±0.05	83.4±0.5	18
	60D-J6000	6000	61.0±0.20	32.2±0.05	115.0±0.5	20
	60D-J7000	7000	61.0±0.20	32.2±0.05	132.0±0.5	18
	60D-P8500	8500	59.7±0.20	32.2±0.05	142.0±0.5	18
	60D-J9000	9000	61.0±0.20	32.2±0.05	148.0±0.5	18
60D-J10000	10000	61.0±0.20	32.2±0.05	156.0±0.5	18	
17670-2500	2500	67.0±0.2	17.0±0.05	39.2±0.5	30	
17670-3000	3000	67.0±0.2	17.0±0.05	43.5±0.5	25	
17670-3500	3500	67.0±0.2	17.0±0.05	48.2±0.5	25	
18670-4200	4200	67.0±0.2	18.0±0.05	57.1±0.5	20	
Cylindrical Low Self-Discharge	49AAP1200-D	1200	48.4±0.20	13.9±0.05	20.3±0.5	35
	49AAP1300-D	1300	48.4±0.20	14.2±0.05	21.9±0.5	30
	49AAJ1400-D	1400	49.9±0.20	13.9±0.05	23.0±0.5	30
	49AAP1600-D	1600	48.4±0.20	14.2±0.05	25.1±0.5	30
	51AAP1800-D	1800	49.8±0.20	14.2±0.05	25.9±0.5	30
	51AAP2200-D	2200	49.8±0.20	14.2±0.05	28.9±0.5	30
	51AAJ2200-D	2200	50.2±0.20	14.2±0.05	29.4±0.5	30
	51AAJ2300-D	2300	50.2±0.20	14.2±0.05	28.5±0.5	30
	51AAJ2400-D	2400	50.2±0.20	14.2±0.05	29.2±0.5	30
	44AAAJ800-D	800	44.2±0.20	10.2±0.05	12.5±0.3	30
44AAAJ900-D	900	44.2±0.20	10.2±0.05	12.8±0.3	30	





Rechargeable Nickel Metal Hydride Battery

NiMH

Category / Type	#Model	Nominal Capacity (mAh)	Height (mm)	Diameter (mm)	Approx. Weight (g)	Internal Resistance (mΩ)
Cylindrical High Temperature	49AAP1200-T	1200	48.4±0.20	13.9±0.05	20.8±0.5	35
	51AAP1600-T	1600	49.8±0.20	14.2±0.05	28.7±0.5	30
	51AAJ2100-T	2100	50.2±0.20	14.2±0.05	28.8±0.5	30
Cylindrical Low Temperature	49AAP650-E	650	48.4±0.20	13.9±0.05	16.7±0.5	30
	49AAJ650-E	650	49.6±0.20	13.9±0.05	16.7±0.5	30
	51AAP1800-E	1800	49.5±0.20	14.2±0.05	28.2±0.5	18
Cylindrical High Drain	43AP1800-5C	1800	42.3±0.20	16.5±0.20	30.2±0.5	18
	67AP3200-5C	3200	66.3±0.20	16.5±0.20	51.8±0.5	15
	43SCP1100-5C	1100	41.8±0.20	22±0.05	31.2±0.5	15
	43SCP1300-5C	1300	41.8±0.20	22±0.05	38.7±0.5	15
	43SCP1500-5C	1500	41.8±0.20	22±0.05	37.5±0.5	12
	43SCP1800-5C	1800	41.8±0.20	22±0.05	42.0±0.5	10
	43SCP2000-5C	2000	41.8±0.20	22±0.05	41.6±0.5	10
	43SCP2000-10C	2000	41.8±0.20	22±0.05	45.6±0.5	8
	43SC2200-5C	2200	41.8±0.20	22±0.05	44.8±0.5	10
	43SC2500-5C	2500	41.8±0.20	22±0.05	49.6±0.5	10
	43SC2500-10C	2500	41.8±0.20	22±0.05	50.4±0.5	8
	43SC2600-10C	2600	41.8±0.20	22±0.05	51.4±0.5	6
	43SC3000-5C	3000	41.8±0.20	22±0.05	53.5±0.5	8
	43SC3000-10C	3000	41.8±0.20	22±0.05	56.5±0.5	6
	43SC3300-5C	3300	41.8±0.20	22±0.05	55.3±0.5	8
	43SC3500-5C	3500	41.8±0.20	22±0.05	56.0±0.5	8
	44SCP3600-10C	3599	42.8±0.19	22.7±0.04	62.9±0.4	5
	17670-3200-5C	3200	67.0±0.2	17.0±0.05	45.4±0.5	25
18670-3600-5C	3600	67.0±0.2	18.0±0.05	52.0±0.5	15	
Prismatic General	9V160	160	14.1×5.60×20.3		5.6±0.5	70
	9V180	180	14.1×5.60×20.3		6.0±0.5	70
	9V200	200	14.1×5.60×20.3		6.1±0.5	70
	9V220	220	14.1×5.60×20.3		6.2±0.5	70
	9V250	250	14.1×5.60×22.0		6.9±0.5	70
	9V280	280	14.1×5.60×22.0		7.1±0.5	70
	32F6-520	520	15.4×6.00×32.7		12.3±0.5	35
	29F6-400	400	16.4×5.60×29.4		10.7±0.5	35
	34F6-520	520	16.4×5.60×34.2		12.6±0.5	35
	36F6-570	570	16.4×5.60×36.0		12.5±0.5	30
	46F6-750	750	16.4×5.60×46.7		17.3±0.5	30
	66F6J1100	1100	16.4×5.60×66.1		24.7±0.5	25
	66F6J1100	1100	16.4×5.60×65.0		24.7±0.5	25
Prismatic Low Self-Discharge	9V170-D	170	14.1×5.60×20.3		5.9±0.5	70
	9V180-D	180	14.1×5.60×20.3		6.1±0.5	70
	9V200-D	200	14.1×5.60×20.3		6.1±0.5	70
	9V220-D	220	14.1×5.60×20.3		6.2±0.5	70
	9V250-D	250	14.1×5.60×22.0		6.9±0.5	70
	9V280-D	280	14.1×5.60×22.0		7.1±0.5	70

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Please consult us for models not in the list.





Model List

Battery Category		Battery Type				
Cylindrical		General (AA, AAA)				
Category / Type	#Model	Nominal Capacity (mAh)	Height (mm)	Diameter (mm)	Approx. Weight (g)	Internal Resistance (mΩ)
Cylindrical General	16AAP250	250	16.1±0.20	13.9±0.05	6.6±0.5	80
	21AAP400	400	20.6±0.20	13.9±0.05	8.3±0.5	50
	28AAP300	300	27.9±0.20	13.9±0.05	8.5±0.5	45
	28AAP500	500	27.9±0.20	13.9±0.05	10.8±0.5	40
	28AAP600	600	27.9±0.20	13.9±0.05	11.6±0.5	35
	28AAP700	700	27.9±0.20	10.9±0.05	12.8±0.5	35
	28AAP800	800	27.9±0.20	11.9±0.05	13.2±0.5	35
	43AAP300	300	42.4±0.20	13.9±0.05	8.9±0.5	45
	49AAJ300	300	49.9±0.20	13.9±0.05	9.8±0.5	45
	43AAP400	400	42.4±0.20	13.9±0.05	10.3±0.5	45
	49AAJ400	400	49.9±0.20	13.9±0.05	10.7±0.5	45
	43AAP500	500	42.4±0.20	13.9±0.05	12.3±0.5	45
	49AAP500	500	48.4±0.20	13.9±0.05	12.5±0.5	45
	49AAJ500	500	49.9±0.20	13.9±0.05	12.6±0.5	45
	43AAP600	600	42.4±0.20	13.9±0.05	12.7±0.5	35
	49AAP600	600	48.4±0.20	13.9±0.05	13.2±0.5	35
	49AAJ600	600	49.9±0.20	13.9±0.05	13.0±0.5	35
	43AAP700	700	42.4±0.20	13.9±0.05	13.5±0.5	35
	49AAJ700	700	49.9±0.20	13.9±0.05	14.2±0.5	35
	49AAP700	700	48.4±0.20	13.9±0.05	14.2±0.5	35
	49AAJ800	800	49.9±0.20	13.9±0.05	15.0±0.5	35
	43AAP900	900	42.4±0.20	9.9±0.05	16.8±0.5	35
	49AAP800	800	48.4±0.20	13.9±0.05	15.0±0.5	35
	49AAJ900	900	49.9±0.20	13.9±0.05	16.1±0.5	35
	49AAJ1000	1000	49.9±0.20	13.9±0.05	17.0±0.5	35
	49AAP1000	1000	48.4±0.20	13.9±0.05	17.1±0.5	35
	49AAJ1100	1100	49.9±0.20	13.9±0.05	17.9±0.5	35
	49AAP1100	1100	48.4±0.20	13.9±0.05	18.2±0.5	35
	43AAP1200	1200	42.4±0.20	13.9±0.05	20.9±0.5	30
	49AAJ1200	1200	49.9±0.20	13.9±0.05	19.4±0.5	30
	49AAP1200	1200	48.4±0.20	13.9±0.05	19.1±0.5	30
	49AAJ1300	1300	49.9±0.20	13.9±0.05	20.2±0.5	30
	49AAP1300	1400	48.4±0.20	13.9±0.05	20.4±0.5	30
49AAJ1400	1400	49.9±0.20	13.9±0.05	21.0±0.5	30	
49AAP1400	1400	48.4±0.20	13.9±0.05	21.5±0.5	30	
49AAJ1500	1500	49.9±0.20	13.9±0.05	22.5±0.5	30	
49AAP1500	1500	48.4±0.20	13.9±0.05	22.6±0.5	30	
49AAJ1600	1600	49.9±0.20	13.9±0.05	23.0±0.5	30	
49AAP1600	1600	48.4±0.20	13.9±0.05	23.2±0.5	30	
51AAJ1700	1700	50.2±0.20	14.2±0.05	23.3±0.5	30	
51AAJ1800	1800	50.2±0.20	14.2±0.05	24.3±0.5	30	
51AAP1800	1800	49.8±0.20	14.2±0.05	24.2±0.5	30	
51AAP1900	1900	49.8±0.20	14.2±0.05	25.7±0.5	30	





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Category / Type	# Model	Nominal Capacity (mAh)	Height (mm)	Diameter (mm)	Approx. Weight (g)	Internal Resistance (mΩ)
Cylindrical General	51AAJ2000	2000	50.1±0.20	14.2±0.05	26.0±0.5	30
	51AAP2000	2000	49.4±0.20	14.2±0.05	25.8±0.5	30
	51AAJ2100	2100	50.2±0.20	14.2±0.05	26.5±0.5	30
	51AAP2100	2100	49.8±0.20	14.2±0.05	26.5±0.5	30
	51AAP2200	2200	49.8±0.20	14.2±0.05	27.5±0.5	30
	51AAJ2200	2200	50.2±0.20	14.2±0.05	27.4±0.5	30
	51AAJ2300	2300	50.2±0.20	14.2±0.05	28.3±0.5	30
	51AAP2300	2300	49.8±0.20	14.2±0.05	28.3±0.5	30
	51AAJ2400	2400	50.2±0.20	14.2±0.05	28.7±0.5	30
	51AAJ2500	2500	50.2±0.20	14.2±0.05	29.2±0.5	30
	51AAJ2600	2600	50.2±0.20	14.2±0.05	29.8±0.5	30
	51AAJ2700	2700	50.2±0.20	14.2±0.05	30.2±0.5	30
	51AAP1600	1600	49.8±0.20	14.2±0.05	28.7±0.5	30
	49AAP1800	1800	48.4±0.20	13.9±0.05	25.0±0.5	30
	49AAJ1800	1800	49.9±0.20	13.9±0.05	25.0±0.5	30
	28AAP300	300	28.1±0.20	10.0±0.05	6.5±0.3	40
	43AAAJ300	300	43.9±0.20	10.0±0.05	7.7±0.3	45
	43AAP300	300	42.5±0.20	10.0±0.05	7.7±0.3	45
	38AAP300	300	37.5±0.20	10.0±0.05	7.5±0.3	45
	43AAAJ350	350	43.9±0.20	10.0±0.05	7.7±0.3	40
	38AAP350	350	37.5±0.20	10.0±0.05	7.6±0.3	40
	43AAAJ400	400	43.9±0.20	10.0±0.05	8.3±0.3	40
	43AAP400	400	42.5±0.20	10.0±0.05	8.7±0.3	40
	38AAP500	500	37.5±0.20	10.0±0.05	9.7±0.3	40
	43AAP500	500	42.5±0.20	10.0±0.05	9.7±0.3	40
	43AAAJ500	500	43.9±0.20	10.0±0.05	10.0±0.3	40
	38AAP550	550	37.5±0.20	10.0±0.05	9.8±0.3	40
	43AAP600	600	42.5±0.20	10.0±0.05	10.5±0.3	35
	43AAAJ600	600	43.9±0.20	10.0±0.05	10.6±0.3	35
	49AAP600	600	48.5±0.20	10.0±0.05	11.2±0.3	35
	44AAAJ700	700	44.2±0.20	10.0±0.05	11.0±0.3	35
	44AAP700	700	43.2±0.20	10.2±0.05	11.0±0.3	35
	49AAP700	700	48.5±0.20	10.2±0.05	12.0±0.3	35
	49AAP830	830	48.5±0.20	10.0±0.05	12.5±0.3	30
	44AAP750	750	43.2±0.20	10.2±0.05	11.4±0.3	35
	44AAAJ800	800	44.2±0.20	10.2±0.05	11.5±0.3	30
49AAP800	800	48.5±0.20	10.0±0.05	12.5±0.3	30	
44AAP800	800	43.4±0.20	10.2±0.05	11.6±0.3	30	
44AAAJ850	850	44.2±0.20	10.2±0.05	11.9±0.3	30	
44AAP850	850	43.4±0.20	10.2±0.05	12.0±0.3	30	
44AAAJ900	900	44.2±0.20	10.2±0.05	12.3±0.3	35	
67AAP900	900	66.5±0.20	10.0±0.05	16.3±0.3	35	
44AAAJ950	950	44.2±0.20	10.2±0.05	12.4±0.3	35	
44AAAJ1000	1000	44.2±0.20	10.2±0.05	12.5±0.3	35	
67AAP1000	1000	66.5±0.20	10.0±0.05	16.9±0.3	35	

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